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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference FP03-0012-00	FOR FURTHER ACTION	R ACTION SeeNotificationofTransmittalofInternational Preliminary Examination Report (Form PCT/IPEA/416)				
International application No.	International filing date (day/n	uonth/year)	Priority date (day/month/year)			
PCT/JP03/02668	06 March 2003 (06.0	03.03)	06 March 2002 (06.03.02)			
International Patent Classification (IPC) or no H01S 5/024, A01G 7/00, H01L 2			·			
Applicant	HAMAMATSU PHOTO	NICS K.K.				
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. This REPORT consists of a total of 4 sheets, including this cover sheet. This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). 						
These annexes consist of a total of sheets.						
3. This report contains indications relati	ing to the following items:					
I Basis of the report						
II Priority						
III Non-establishment of	f opinion with regard to novelty	, inventive ste	p-aud industrial applicability			
IV Lack of unity of inve	IV Lack of unity of invention					
Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
VI Certain documents ci	VI Certain documents cited					
VII Certain defects in the	international application					
VIII Certain observations on the international application						
Date of submission of the demand	Date of	Date of completion of this report				
06 March 2003 (06.03.	03)	17.	July 2003 (17.07.2003)			
Name and mailing address of the IPEA/JP	Authoriz	Authorized officer				
Facsimile No.	Telepho	Telephone No.				

Form PCT/IPEA/409 (cover sheet) (July 1998)

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International application No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

PCT/JP03/02668

I. Basis of the report								
1. With regard to the elements of the international application:*								
	\boxtimes	the international application as originally filed						
	同	the desc	ription:					
		pages	, as originally filed					
		pages	, filed with the demand					
		pages	, filed with the letter of					
		the clair						
		pages	, as originally filed					
		pages	, as amended (together with any statement under Article 19					
		pages	, filed with the demand					
		pages _	, filed with the letter of					
		the draw	vings:					
		pages	, as originally filed					
		pages	, filed with the demand					
		pages	, filed with the letter of					
	П.	he sequer	nce listing part of the description:					
	ш,	pages	, as originally filed					
		pages	, filed with the demand					
		pages	, filed with the letter of					
	These	the lang the lang the lang or 55.3) regard minary ex container filed tog	It to the language, all the elements marked above were available or furnished to this Authority in the language in which ional application was filed, unless otherwise indicated under this item. ents were available or furnished to this Authority in the following language					
	H		ed subsequently to this Authority in computer readable form.					
		internat	stement that the subsequently furnished written sequence listing does not go beyond the disclosure in the ional application as filed has been furnished.					
	لــا	The sta	tement that the information recorded in computer readable form is identical to the written sequence listing has mished.					
4.		t	endments have resulted in the cancellation of: the description, pages the claims, Nos the drawings, sheets/fig					
5.		This repo	ort has been established as if (some of) the amendments had not been made, since they have been considered to go the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**					
*	Repla in thi and 7	is report	heets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16					
**		•	nt sheet containing such amendments must be referred to under item 1 and annexed to this report.					

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···	reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1.	Statement					
	Novelty (N)	Claims	1-5	YES		
		Claims		NO		
	Inventive step (IS)	Claims	1-5	YES		
		Claims		NO NO		
	Industrial applicability (IA)	Claims	1-5	YES		
		Claims		NO		
2	Citations and evalenations					

Citations and explanations

Document 1: JP 10-335727 A (Meidensha Corp.), 18

December 1998

Document 2: JP 2002-26434 A (Mitsubishi Electric Corp.),

25 January 2002

Document 3: Microfilm of the specification and drawings

annexed to the request of Japanese Utility Model Application No. 77813/1980 (Laid-open No. 2667/1982), (Fuji Electric Co., Ltd.),

08 January 1982

Microfilm of the specification and drawings Document 4:

annexed to the request of Japanese Utility Model Application No. 127157/1978 (Laid-open No. 43392/1980), (Meidensha Corp.), 21 March

1980

Document 5: JP 11-196671 A (Hamamatsu Photonics

Kabushiki Kaisha), 27 July 1999

Claims 1-5

The feature wherein for each of the M number of light-emitting units, a conductive member that is electrically connected to the conductive part of a cooling water passage is positioned so that the member comes into contact with the cooling water and is separated from the inlet side end or the outlet side end of the

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aforementioned cooling water passage by a predetermined distance along the upstream or downstream direction of the water conveying pipes is not disclosed in documents 1-5 cited in the international search report, and is not obvious to a person skilled in the art.

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